

Applicants attach hereto:

- Appendix A, containing a marked up copy of the specification replacement paragraph pursuant to 37 C.F.R. § 1.121(b)(iii) and a marked up copy of the amended claims pursuant to 37 C.F.R. § 1.121(c)(1)(ii); and
- Appendix B, containing a copy of Cotner et al., "Simultaneous flow cytometric analysis of human T cell activation antigen expression and DNA content," *J. Exp. Med.* 157:461 - 72 (1983), relied upon herein.

IN THE SPECIFICATION:

Please replace the paragraph beginning on page 4, line 24 and ending on page 5, line 13, with the following amended paragraph:<sup>1</sup>

B<sup>1</sup>  
More specifically, this invention provides an assay protocol using whole blood for the rapid (generally less than 24 hours, preferably less than 6 hours), highly efficient, Ag-specific activation of secretion-inhibited CD4+ (memory/effector) T cells, followed by the quantization and characterization of these Ag-specific T cells using multiparameter flow cytometric, immunofluorescent detection of one or more intracellular

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<sup>1</sup> Applicants have attempted here to comply with the requirements of 37 C.F.R. § 1.121, effective 7 November 2000; pursuant to the amended rule, a marked-up version of the amended paragraph (as well as amended claim) may be found in the paper filed concurrently herewith. Should there be any deficiency in form, applicants invite the Examiner to assist them in bringing this paper into compliance with the new requirements.